

## Michael Long

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### **EDUCATION**

University at Buffalo (SUNY), Buffalo, NY 8/2016 - 5/2020

UC Berkeley 6/2019 - 8/2019

*BS Computer Science - Data Intensive Computing Program*

*Biostatistics Minor*

*GPA 3.7/4.0*

### **EXPERIENCE**

Algorithmic Trading Intern at Quantbridge Capital, (Remote) Sacramento CA 5/2018 – 8/2018

- Implemented high frequency trading algorithms via Quantopian/QuantConnect platforms in python

Web Development Intern at Kangarootime, Buffalo NY 5/2018 – 8/2018

- Developed a web-based application with ReactJS, NodeJS and ExpressJS

Teaching Assistant - CSE 487 Data Intensive Computing, Buffalo NY 1/2020 – 5/2020

- Assisted students with projects using technologies such as R, Python, Hadoop/HDFS and Spark
- Assisted Professor with recitations, office hours, grading, and answering questions and concerns

Teaching Assistant - CSE 426 Blockchain Application Development, Buffalo NY 1/2019 – 5/2019

- Assisted students with projects in web development and Ethereum smart-contract design
- Assisted Professor with recitations, office hours, grading, and answering questions and concerns

### **PERSONAL PROJECTS**

Buffalo Open Data Challenge Spring 2018

- Created a tool for visualizing crimes in Buffalo area utilizing R, GGMaps, and the Google Maps API for the Buffalo Open Data Challenge

Spark ML News Classification Pipeline Spring 2018

- Worked with SparkML to create a news classification pipeline gathering data from NYT/WashingtonPost, then training via NaiveBayes/LogisticRegression libraries. Used validation set to verify proper classification.

### **TECHNICAL SKILLS**

#### **Data Science:**

R • Python (Numpy, Sklearn, Pandas, Matplotlib) • Tensorflow • Hadoop/HDFS • Spark (MLLib)

#### **Programming Technologies:**

Python • C++ • Java • SQL • NoSQL (MongoDB) • Javascript • HTML/CSS • ReactJS w/ NodeJS + ExpressJS